Determine if the following situations have mostly potential or kinetic energy, by placing an “X” in the column next to the situation.

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| # | Situation | Kinetic | Potential |
| 1 | A book sitting on a shelf |  |  |
| 2 | A man pedaling a bicycle up a hill. |  |  |
| 3 | A man on a bicycle stopped at the top of a hill ready to descend |  |  |
| 4 | A ball sitting on a desk |  |  |
| 5 | A car engine in normal operation on the road |  |  |
| 6 | A hammer just before it strikes a nail |  |  |
| 7 | A nuclear submarine moving slowly through the water |  |  |
| 8 | A satellite in orbit around the earth |  |  |
| 9 | A large tree |  |  |
| 10 | A bowling ball at the top of the arc in the bowler’s hand before he releases the ball (it is behind his back) |  |  |

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| 11 | Firewood that is laying on the ground but not burning |  |  |
| 12 | The string on an archers bow as it is drawn tight just before he release the arrow. |  |  |
| 13 | The arrow in flight from the item above |  |  |
| 14 | TNT when stored and at rest |  |  |
| 15 | A sprinter in position at the starting block just before the starter’s gun is fired. |  |  |
| 16 | Energy absorbs from the sun’s solar radiation in the form of food such as corn. |  |  |
| 17 | An electrical motor connected to a positive and negative electrical source. |  |  |
| 18 | The same situation with the positive and negative electrical source but no electrical motor |  |  |
| 19 | Ocean waves |  |  |
| 20 | Low frequency sound waves (very low tones) at a concert |  |  |